

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY CONTROL MINOR PERMIT**

Permit No. AQ0111MSS01, Revision 2

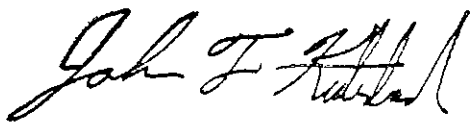
Date: Final – January 13, 2006

**COEUR ALASKA, INC.,
KENSINGTON MINE PROJECT**

The Alaska Department of Environmental Conservation (Department), under the authority of AS 46.14 and 18 AAC 50, issues an Air Quality Control Minor Permit to Coeur Alaska, Inc. for the Kensington Mine Project.

The permit authorizes the Permittee to develop a gold mine in accordance with the terms and conditions of this permit, and as described in the permit application and submittals listed in Exhibit D.

This Minor Permit is issued under 18 AAC 50.508(5) and 18 AAC 50.502(c)(3) for the Kensington Mine Project.



John F. Kuterbach, Manager

Air Permits Program

Table of Contents

Section 1.	List of Abbreviations Used in this Permit	3
Section 2.	Identification.....	4
Section 3.	Source Specific Applicable Requirements	5
	Emission Unit Inventory.....	5
	State Emission Standards for Industrial Processes and Fuel Burning Equipment	5
	State Emission Standards for Incinerators.....	7
	Requirements to Avoid Prevention of Significant Deterioration (PSD) Classification	7
	Ambient Air Quality Protection Requirements	12
Section 4.	General Source Testing and Monitoring Requirements	15
Section 5.	General Recordkeeping, Reporting and Compliance Certification Requirements	17
Section 6.	Miscellaneous	19
Section 7.	EXHIBIT A	23
Section 8.	EXHIBIT B.....	29
Section 9.	EXHIBIT C.....	33
Section 10.	EXHIBIT D	37

Section 1. List of Abbreviations Used in this Permit

AAC.....	Alaska Administrative Code
ADEC/Department	Alaska Department of Environmental Conservation
AS	Alaska Statutes
ASTM	American Society for Testing and Materials
C.F.R.....	Code of Federal Regulations
CO.....	Carbon Monoxide
dscf.....	Dry standard cubic foot
EPA.....	US Environmental Protection Agency
FEL	Front End Loader
gr./dscf	grain per dry standard cubic foot (1 pound = 7000 grains)
HAPs.....	Hazardous Air Pollutants [as defined in AS 46.14.990(14)]
hp	horsepower
ID	Emission Unit Identification Number
kW	kiloWatts
LHD	Load, haul, and dump
MMBtu/hr	Million British Thermal Units per hour
NAICS	North American Industry Classification System
NESHAPs	Federal National Emission Standards for Hazardous Air Pollutants [as contained in 40 C.F.R. 61 and 63]
NOx	Nitrogen Oxides
NSPS.....	Federal New Source Performance Standards [NSPS as contained in 40 C.F.R. 60]
O ₂	Oxygen
LPG.....	Liquified Petroleum Gas
PM	Particulate Matter
PM-10	PM less than or equal to a nominal ten microns in diameter
ppm	Parts per million
ppmv, ppmvd.....	Parts per million by volume on a dry basis
PSD	Prevention of Significant Deterioration
RTP	Recycle Tailings Pond
SAG	Semi-Autogenous Grinding
SCR.....	Selective Catalytic Control
SIC.....	Standard Industrial Classification
SO ₂	Sulfur Dioxide
tph	tons per hour
tpy	tons per year
VOC.....	Volatile Organic Compound [as defined in 18 AAC 50.990(121)]
vol%.....	volume percent
wt%.....	weight percent

Section 2. Identification

Names and Addresses

Permittee:	Coeur Alaska, Inc. 3031 Clinton Drive, Suite 202 Juneau, AK 99801
Stationary Source Name:	Kensington Mine
Location:	Section 5, T35S, R62E
Physical Address:	Approximately 45 miles north of Juneau, Alaska
Owner:	Coeur Alaska, Inc.
Operator:	Coeur Alaska, Inc.
Permittee's Responsible Official:	Mr. Tim Arnold, Vice President and General Manager Coeur Alaska, Inc.
Designated Agent:	None
Building Contact:	Rick Richins, Project Director 3031 Clinton Drive, Suite 202 Juneau, AK 99801 Phone: (907) 789-1591 E-mail: rrichins@rtr-inc.com
Fee Contact:	Rick Richins, Project Director 3031 Clinton Drive, Suite 202 Juneau, AK 99801 Phone: (907) 789-1591 E-mail: rrichins@rtr-inc.com

Stationary Source Process Description

SIC Code:	1041
NAICS Code:	212221

Section 3. Source Specific Applicable Requirements

Emission Unit Inventory

- 1. Authorization.** The Permittee is authorized to install Emission Units 1 through 21, as listed in Table A-1 in Exhibit A, at this stationary source in accordance with the terms and conditions of this permit and the minor permit application.
 - 1.1 For each of Emission Units 1 through 20, label with the emission unit ID within 30 days after initial installation of each unit. The ID shall be placed in a conspicuous location on or adjacent to the unit.
 - 1.2 For each emission unit including the SCR control units described in condition 8, submit to the Department's Fairbanks Office the installation date, serial number, specification sheet,¹ maximum design rating, electronic fuel control settings of the engine and SCR control map data within 30 days after initial installation.
 - 1.3 Record and report the decommissioning and removal date for each of the existing emission units as listed in Table A-3 in Exhibit A in accordance with condition 12. Submit written report to the Department's Fairbanks Office within 30 days of each respective decommissioning date, and removal date.

State Emission Standards for Industrial Processes and Fuel Burning Equipment

- 2. Visible Emissions.** The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from Emission Units 1 through 15, and 18 through 21 as listed in Table A-1 in Exhibit A to reduce visibility through the exhaust effluent by any of the following:
 - a. more than 20 percent for a total of more than three minutes in any one hour²;
 - b. more than 20 percent averaged over any six consecutive minutes³.
- 2.1 For Emission Units 7 through 15 (distillate fuel-fired equipment), verify compliance using either condition 2.1a or 2.1b.
 - a. Prior to unit installation, obtain a certified manufacturer guarantee that each emission unit will comply with the visible emission standard and attach a copy of the guarantee to the next operating report required under condition 29; or
 - b. Conduct a visible emission source test on each unit in accordance with condition 18.1 within 180 days of initial start-up. Attach a copy of the surveillance records to the next operating report required under condition 29.

¹ The specification sheet is a one to ten page summary of the unit, including applicable emissions specifications for the unit, if available.

² For purposes of this permit, the "more than three minutes in any one hour" criterion in this condition and condition 5.a will no longer be effective when the Air Quality Control (18 AAC 50) regulation package effective 05/03/02 is adopted by the U.S. EPA.

³ The six-minute average standard is enforceable only by the state until 18 AAC 50.055(a)(1), dated 05/03/02, is approved by EPA and adopted into the SIP, at which time this standard becomes federally enforceable.

- 2.2 For Emission Unit 21 (explosives), conduct a visible emission source test at the mine adit in accordance with condition 18.1 within 180 days of initial start-up. Attach a copy of the surveillance records to the next operating report required under condition 29.
- 2.3 For Emission Unit 1 (liquefied petroleum gas (LPG)-fired units), burn only LPG (includes propane) as fuel. Monitor by certifying in each operating report under condition 29 that the emission unit burned only LPG. Report under condition 28 if any fuel is burned other than LPG.
3. **Particulate Matter (PM).** The Permittee shall not cause or allow PM emitted from Emission Units 1 through 15, 18 through 21 as listed in Table A-1 in Exhibit A to exceed 0.05 grains per cubic foot (gr./dscf) of exhaust gas corrected to standard conditions and averaged over three hours.
 - 3.1 For Emission Units 5 and 6 (baghouse), conduct a PM source test on the baghouse in accordance with Section 4 and condition 18.2 within 180 days of initial start-up.
4. **Sulfur Compound Emissions.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO₂, from Emission Units 1, and 7 through 16 as listed in Table A-1 in Exhibit A to exceed 500 ppm averaged over three hours.
 - 4.1 For Emission Units 1, and 7 through 16, use only fuel with a sulfur content less than 0.5 percent by weight.
 - a. For distillate fuel, obtain a statement or receipt from the fuel supplier certifying the maximum sulfur content of the fuel for each shipment of fuel delivered to the stationary source. If a certificate is not available from the supplier, analyze a representative sample of the fuel to determine the sulfur content using ASTM method D-129, D 4294, or an alternative method approved by the Department.
 - b. Include in the operating report required under condition 29, a list of the fuel sulfur contents for each shipment of distillate fuel received at the stationary source during the reporting period.
 - 4.2 For Emission Unit 1, use only LPG as fuel. Monitor by certifying in each operating report required in condition 29 that the emission unit fired only LPG during the reporting period. Report under condition 28 if any fuel is burned other than LPG.

State Emission Standards for Incinerators

- 5. Incinerator Visible Emissions.** The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, through the exhaust of Emission Unit 16 as listed in Table A-1 of Exhibit A, to reduce visibility by any of the following:

- a. more than 20 percent for a total of more than three minutes in any one hour⁴;
- b. more than 20 percent averaged over any six consecutive minutes.⁵

5.1 Verify compliance using either condition 2.1a or 2.1b.

Requirements to Avoid Prevention of Significant Deterioration (PSD) Classification

- 6. NOx Limits:** To avoid classification as a PSD major stationary source, the Permittee shall limit the NOx emissions from Emission Units 1, 7 through 16, and 21 to no greater than 174 tons per 12 month rolling period, as set out below:

- 6.1 Limit NOx emissions from Emission Units 1, 13, 14, 15, 16 and 21 to no greater than 50 tons per 12-month rolling period. This is equivalent to the potential to emit from these emission units and therefore no monitoring or reporting is needed; and
- 6.2 Limit NOx emissions from Emission Units 7 through 12 to no greater than 124 tons per 12-month rolling period by using SCR controls as described in condition 8 to actively reduce NOx emissions, operational restrictions as described in condition 10, and as set out in conditions 6.3 through 6.8.
- 6.3 Monitor and record the daily hours of engine operation for each of Emission Units 7 through 12 when in operation and in accordance with condition 8.7a as follows:
 - a. Before initial start-up of Emission Units 7 through 12, equip each unit with a dedicated engine hour meter; and
 - b. No later than 10 days after initial start-up of each of Emission Units 7 through 12, submit to the Department's Fairbanks Office the meter specifications.
- 6.4 Calculate and record the monthly hours of operation for each of Emission Units 7 through 12 by summing the daily hours of operation in condition 6.3.

⁴ See Footnote 2.

⁵ See Footnote 3.

- 6.5 By the 15th of each month, calculate and record the monthly NO_x emissions for the prior month for each of Emission Units 7 through 12 in tons per month using Equation 1 below.

Equation 1 $NO_x = FH \times EF \times \frac{1 \text{ ton}}{2000 \text{ lb}}$

Where: *NO_x* = NO_x emissions in tons per month
FH = Hours of operation per month as set out in condition 6.4
EF = NO_x emission factor in pounds per hour using the values in Table 1 below. If a site specific NO_x emission factor is derived from a Department approved source test (e.g. source test under condition 8) use that emission factor retroactive to the date of the source test for all the units rather than Table 1.

Table 1 – NO_x Emission Factors

Emission Units	Type	NO_x Emission Factor
7 through 12	Main Generators <i>with</i> SCR (90% control efficiency)	5.01 lb/hr
7 through 12	Main Generators <i>without</i> SCR	50.12 lb/hr

Note: Refer to description of *EF* above for exceptions to the listed emission rates.

- 6.6 By the 15th of each month, calculate and record the twelve month rolling total NO_x emissions for the combined Emission Units 7 through 12, by summing the monthly NO_x emissions in condition 6.5.
- 6.7 Report as excess emissions under condition 28 if the NO_x emissions calculated under condition 6.6 exceeds 124 tons per 12 month rolling period.
- 6.8 Include in the operating report as required under condition 29, the monthly and the 12-month rolling total NO_x emissions for the combined Emission Units 7 through 12 calculated under conditions 6.5 and 6.6.
- 7. Hourly Operational Limits for Emission Units 14 and 15:** The Permittee shall not operate Emission Unit 14 more than 2,000 hours in any 12 month rolling period, and Emission Unit 15 more than 100 hours in any 12 month rolling period:
- 7.1 Before initial start-up of Emission Units 14 and 15, equip each unit with a dedicated engine hour meter.
- 7.2 Monitor and record the monthly engine hours of operation for Emission Units 14 and 15 at a consistent time each month. Calculate the 12 month rolling period total hours of operation for each of the Emission Units 14 and 15 by summing the monthly hours of operation.

- 7.3 Include in the operating report required under condition 29, the 12 month rolling total hours of operation for each of the Emission Units 14 and 15.
- 7.4 Report in accordance with condition 28 when the 12 month rolling hours of operation for Emission Unit 14 exceeds 2,000 hours, and/or when the 12 month rolling hours of operation for Emission Unit 15 exceeds 100 hours.
- 8. Selective Catalytic Reduction (SCR) Requirements.** Install, maintain, and operate a dedicated NOx control SCR system for each of Emission Units 7 through 12 and comply with the following:
- 8.1 During commissioning⁶ of Emission Units 7 through 12, the Permittee may operate each engine without SCR activated for a maximum of 72 hours;
- 8.2 The SCR control system shall have a NOx removal / destruction efficiency of at least 90 percent as described in condition 6.5 and 8.5b;
- 8.3 Limit the emissions of ammonia (NH₃) to no greater than 0.56 lbs/hour (10 ppm);
- 8.4 Maintain the manufacturer-recommended spare parts (spray nozzles, lance, pumps, seals, switches, sensors and solenoids) on-site;
- 8.5 SCR NOx Emission Testing and Sampling. Determine the SCR effectiveness as follows:
- a. Within 30 days after the initial start-up of the Emission Units 7 through 12 with the dedicated SCR systems, conduct source test in accordance with Section 4 as follows:
 - (i) Test two representative units of Emission Unit group 7 through 12 operating with SCR to determine NOx and O₂ emissions upstream of the SCR system; and to determine NOx, O₂ and ammonia emissions downstream of the SCR to ascertain compliance with conditions 8.2 and 8.3.
 - (ii) Each source test shall include the 100 percent engine load, and no less than two additional load points representing the diesel engine operating range.
 - (iii) For ammonia emissions use Bay Area Air Quality Management District (BAAQMD) source test procedures ST-1B "Ammonia Integrated Sampling" and test concurrently with the NOx test.
 - (iv) Calculate NOx and ammonia emission rates using Method 19.
 - (v) Determine the NOx emission rate (lb/hr), the injection rate (gal/hr)/load curve (SCR map), the urea reagent concentration (percent/gal), fuel consumption rate (gal/hr) and the ammonia slip (ppm and lb/hr) for each run, as applicable.

⁶ Commissioning is the period of time after the initial start up of the emission unit and throughout testing of the engine system/equipment performance during the start up period. The period includes fine tuning of SCR/engine controls and possible run-in period of the engines.

- (vi) Immediately after each source test run, determine the portable diesel exhaust gas test instrument accuracy by measuring NO_x emissions upstream and downstream of the SCR system concurrently and compare to source test NO_x results. Portable instrument measurements shall be taken at each sampling port at no less than three points to ensure representative sampling as determined through exhaust traverse, and in accordance with condition 8.5b.
 - (vii) Report all elements in accordance with Section 4. After Department approval of the source test, use these emission factors rather than those listed in Table 1 retroactive to the date of the source test.
- b. Conduct NO_x emission effectiveness samplings using the portable instrument on each of Emission Units 7 through 12 at least once per 750 hours of operation to determine the percent SCR NO_x emission removal efficiency and to ensure compliance with condition 8.2 as follows:
- (i) Measure the NO_x concentration, O₂ concentration, and stack temperature at sampling ports upstream and downstream of the SCR control at each traverse point at no less than three points representative of the exhaust flow.
 - (ii) Record the results from each traverse point and calculate and record the average percent NO_x removal from the SCR control.
 - (iii) Sum the results from each traverse point and calculate the average NO_x concentration upstream and downstream of SCR unit.
 - (iv) Calculate and record the percentage SCR efficiency as set out in Equation 2.

Equation 2
$$eff = \frac{NO_x(in) - NO_x(out)}{NO_x(in)} \times 100$$

Where:

- eff = SCR effectiveness in percent
- NO_{xin} = NO_x concentration in ppm before SCR (post combustion engine)
- NO_{xout} = NO_x concentration in ppm after SCR

- c. Conduct additional NO_x emission effectiveness sampling in accordance with condition 8.5b within 24 hours after catalyst bed replacement, catalyst elements exchange, and changes in the SCR control system, set points, load curve (mapping), changes in urea reagent solution and urea injection rate.
- 8.6 In case of SCR malfunction, contact the SCR manufacturer or certified technician and implement their prescribed corrective actions, and record the following:
- a. a complete description of the corrective action;
 - b. the date the corrective action was completed;

- c. the technician's contact information (if the corrective action was prescribed by an SCR manufacturer or certified technician); and
- d. if applicable, a description of how any corrective actions completed differed from what was prescribed by the SCR manufacturer or certified technician and the basis for the difference.

8.7 Keep records of the following:

- a. The daily engine operating hours as set out in condition 6.3, including the SCR start-up and SCR shutdown times and dates, including engine start-up and shutdown date and time. SCR start-up means that the catalyst bed temperature is within the manufacturer's recommended temperature set points for optimal NO_x removal and reagent injection is at a rate consistent with the programmable logic controller (PLC) setting for the operating engine's load setting. SCR shut down means that the engine is no longer running or one of the above parameters is out of bounds;
- b. All SCR system repairs, maintenance, and SCR control system adjustments, including time and date;
- c. The injection rate of SCR reagent in gal/hr and the concentration of SCR reagent in lb/gal for each batch prepared;
- d. The receipts for all urea purchases with dates and quantities;
- e. The system alarm logs including time and date of occurrence;
- f. The date and time of every NO_x emission effectiveness test conducted under condition 8.5a(vi)8.5b and 8.5c, and the results of those tests;

8.8 Include in the operating report under condition 29 the following:

- a. Records of each NO_x emission effectiveness conducted in accordance with condition 8.5b and 8.5c; and
- b. Records of SCR malfunctions in accordance with condition 8.6.

8.9 Report as an excess emission or permit deviation under condition 28 if:

- a. the NO_x measurements demonstrate that the SCR is achieving less than 90 percent NO_x removal; and
- b. the NO_x emissions effectiveness testing is not done in accordance with condition 8.5b or 8.5c.

9. Portable Instrument Engine Exhaust NO_x Analyzer. The Permittee shall maintain exhaust gas NO_x analyzer onsite that are capable of measuring NO_x concentrations of one to 1,000 ppmv and that is accurate to five percent in accordance with the instrument manufacturer Quality Assurance/Quality Control Plan. Comply with the following for the analyzer required under this condition.

9.1 Relative Accuracy Requirements.

- a. Keep calibration gas available onsite at all times.

- b. Before each SCR effectiveness test required by condition 8.5b and 8.5c, test the analyzer's relative accuracy using NO_x calibration gas as follows:
- (i) Measure and record the:
 - (A) date;
 - (B) certified NO_x concentration of the calibration gas (*NO_x certified*); and
 - (C) measured NO_x concentration of the calibration gas (*NO_x measured*).
 - (ii) Calculate and record the relative accuracy using **Equation 3**.

Equation 3
$$RA = \left| \frac{NO_{x\text{certified}} - NO_{x\text{measured}}}{NO_{x\text{certified}}} \right|$$

Where: *RA* = Relative Accuracy

- c. Recalibrate or repair the analyzer if relative accuracy exceeds five percent, and no less than once each year. The recalibration must be performed by the manufacturer or a trained technician.
- d. Keep records of each relative accuracy test. Notify the Department's Fairbanks office within seven days of the audit date if any analyzer's relative accuracy calculation conducted under condition 9.1b results in a relative accuracy greater than five percent.
- e. Include with the operating report under condition 27 the following:
 - (i) a copy of the receipt for any recalibration following return of the recalibrated analyzer required under condition 9.1c; and
 - (ii) a copy of any records and notifications required under condition 9.1d.

Ambient Air Quality Protection Requirements

10. General Ambient Air Quality Provisions. Comply with the following provisions to protect the NO₂, SO₂ and PM-10 air quality standards:

- 10.1 Air Quality Boundary:** Establish and maintain the ambient boundaries used in the ambient air compliance demonstration, using the procedures described in condition 11.
- 10.2 Concurrent Operation:** Do not concurrently operate more than five of the Main Generator Group diesel generators (Emission Units 7 through 12), except when temporarily transferring electric load between units (e.g., synchronizing units prior to taking a unit on/off-line).
- 10.3** Report as an excess emission or permit deviation under condition 28 if: More than five of the Main Generator Group diesel generators (Emission Units 7 through 12) are concurrently operated, except when temporarily transferring electric load between

units (e.g., synchronizing units prior to taking a unit on/off-line) as set out in condition 10.2.

10.4 Stack Configuration:

- a. For Emission Units 13, 14 and 16, install and maintain the exhaust stacks with uncapped, vertical outlets. Flapper valves, or similar, are allowed for these units as long as they do not hinder the vertical momentum of the exhaust plume; and
- b. Provide as-built drawings and/or photographs of the exhaust stacks for Emission Units 13, 14 and 16 along with the as-built stack diameter, height and configuration (capped/uncapped, horizontal/vertical) for Emission Units 7 through 12 in the initial operating report required under condition 29.

11. Public Access Control Management Plan (Access Plan). Establish and maintain the ambient air boundaries as follows:

- 11.1 Comply with the provisions contained in the May 6, 2005 Public Access Control Management Plan, or a subsequent written version approved by the Department that contains at least the following elements:
 - a. A topographic map (or maps) that clearly shows the ambient air boundaries, road-ways and permit-related facilities/areas;
 - b. Ambient air boundaries that are consistent with the applicable land owner's authorization to preclude public access from the area within the boundaries;
 - c. Defined methods of establishing and maintaining the boundary, such as surveillance and the posting of strategically located warning signs (provide size, wording, and inspection/repair schedule);
 - d. The date of the Access Plan; and
 - e. The procedure for approaching members of the public who have crossed the ambient air boundary.
- 11.2 Post and maintain all warning signs described in the approved Access Plan as follows:
 - a. post all signs as stated in the Access Plan;
 - b. use a font, font size and contrast coloring that makes all lettering easy to read;
 - c. inspect and repair the signs according to the schedule described in the Access Plan; and
 - d. keep all signs free of nearby visible obstructions.
- 11.3 Maintain a hard-copy of the approved Access Plan for public access review at the Permittee's Juneau Office and/or electronically on the world-wide-web.

- 11.4 Do not revise the ambient air boundary without Department approval. If requested by the Department, submit a revised ambient air impact analysis that demonstrates the permitted emission activities will not cause or contribute to ambient air violations when using the proposed boundary.
- 11.5 Submit all proposed revisions to the ambient boundary and/or Access Plan to the Department's Juneau and Fairbanks Office's. Do not implement any change without written Department approval.
12. **Decommissioning and Removal Existing Emission Units:** Decommission and remove the existing (installed) emission units as listed in Table A-3 in Exhibit A as follows:
 - 12.1 Decommission⁷ the existing emission units as listed in Table A-3 in Exhibit A no later than 45 days after initial start up of the first diesel electric generator of Emission Unit Group 7 through 12;
 - 12.2 Remove⁸ the existing emission units as listed in Table A-3 in Exhibit A no later than 90 days after initial start up of the first diesel electric generator of Emission Unit Group 7 through 12; and
 - 12.3 Record and report the decommissioning date and removal date for each of the existing emission units as listed in Table A-3 in Exhibit A in accordance with condition 1.3.
13. **NO₂ Ambient Air Quality Protection.** Protect the NO₂ ambient air quality standard by complying with conditions 6, 7, 8 and 10.2.
14. **SO₂ Ambient Air Quality Protection.** Protect the SO₂ ambient air quality standard by complying with conditions 4.1, 10 and 10.2.
15. **PM-10 Ambient Air Quality Protection.** Protect the PM-10 ambient air quality standard as follows:
 - 15.1 Comply with conditions 10, 10.2 and 34; and
 - 15.2 Limit the maximum design rating of Emission Unit 16 to 2,000 pounds per day.
 - 15.3 Report for Emission Unit 16 the maximum design rating in accordance with condition 1.2.

⁷ Decommissioning means no operation of the emission unit. This includes disconnect/blind-off the fuel supply and return lines of the diesel engine.

⁸ Remove means removal the emission units from the stationary source.

Section 4. General Source Testing and Monitoring Requirements

- 16. Requested Source Tests.** In addition to any source testing explicitly required by the permit, the Permittee shall conduct source testing as requested by the Department to determine compliance with applicable permit requirements.
- 17. Operating Conditions.** Unless otherwise specified by an applicable requirement or test method, the Permittee shall conduct source testing as follows:
 - 17.1 at a point or points that characterize the actual discharge into the ambient air; and
 - 17.2 at the maximum rated burning or operating capacity of the source or another rate determined by the Department to characterize the actual discharge into the ambient air.
- 18. Reference Test Methods.** The Permittee shall use the following references for test methods when conducting source testing for compliance with this permit:
 - 18.1 Source testing for the reduction in visibility through the exhaust effluent must be conducted in accordance with the procedures set out in 40 C.F.R. 60, Appendix A, Reference Method 9. The Permittee may use the form in Exhibit B of this permit to record data.
 - 18.2 Source testing for emissions of total particulate matter, sulfur compounds, nitrogen compounds, carbon monoxide, lead, volatile organic compounds, fluorides, sulfuric acid mist, municipal waste combustor organics, metals and acid gases must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60, Appendix A.
 - 18.3 Source testing for emissions of PM-10 must be conducted in accordance with the procedures specified in 40 C.F.R. 51, Appendix M, Methods 201 or 201A and 202.
 - 18.4 Source testing for emissions of any contaminant may be determined using an alternative method approved by the Department in accordance with 40 C.F.R. 63 Appendix A, Method 301.
- 19. Excess Air Requirements.** To determine compliance with this permit, standard exhaust gas volumes must include only the volume of gases formed from the theoretical combustion of the fuel, plus the excess air volume normal for the specific source type, corrected to standard conditions (dry gas at 68° F and an absolute pressure of 760 millimeters of mercury).
- 20. Test Exemption.** The Permittee is not required to comply with conditions 22, 23 and 24 when the exhaust is observed for visible emissions by Method 9 Plan (condition 2.1b).
- 21. Test Deadline Extension.** The Permittee may request an extension to a source test deadline established by the Department. The Permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the Department's appropriate division director or designee.

22. **Test Plans.** Except as provided in condition 20, before conducting any source tests, the Permittee shall submit a plan to the Department. The plan must include the methods and procedures to be used for sampling, testing and quality assurance and must specify how the unit will operate during the test and how the Permittee will document that operation. The Permittee shall submit a complete plan within 60 days after receiving a request under condition 16 and at least 30 days before the scheduled date of any test unless the Department agrees in writing to some other time period. Retesting may be done without resubmitting the plan with Department approval.
23. **Test Notification.** Except as provided in condition 20, at least 10 days before conducting a source test, the Permittee shall give the Department written notice of the date and the time the source test will begin.
24. **Test Reports.** Except as provided in condition 20, within 60 days after completing a source test, the Permittee shall submit two copies of the results in the format set out in the *Source Test Report Outline*, adopted by reference in 18 AAC 50.030. The Permittee shall certify the results in the manner set out in condition 43. If requested in writing by the Department, the Permittee must provide preliminary results in a shorter period of time specified by the Department.
25. **Particulate Matter Calculations.** In source testing for compliance with the particulate matter standards in condition 3, the three-hour average is determined using the average of three one-hour test runs.

Section 5. General Recordkeeping, Reporting and Compliance Certification Requirements

- 26. Submittals.** Unless otherwise directed by the Department or this permit, the Permittee shall send two copies of reports, compliance certifications, and other submittals required by this permit to ADEC, Air Permits Program, 610 University Ave., Fairbanks, AK 99709-3643, ATTN: Compliance Technician. The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide electronic copies of data reports, emission source test reports, or other records under a cover letter certified in accordance with condition 43.
- 27. Recordkeeping Requirements.** The Permittee shall keep all records required by this permit for at least five years after the date of collection, including:
- 27.1 copies of all reports and certifications submitted pursuant to this section of the permit; and
 - 27.2 records of all monitoring required by this permit, and information about the monitoring including:
 - a. calibration and maintenance records, original strip chart or computer-based recordings for continuous monitoring instrumentation;
 - b. sampling dates and times of sampling or measurements;
 - c. the operating conditions that existed at the time of sampling or measurement;
 - d. the date analyses were performed;
 - e. the location where samples were taken;
 - f. the company or entity that performed the sampling and analyses;
 - g. the analytical techniques or methods used in the analyses; and
 - h. the results of the analyses.
- 28. Excess Emissions and Permit Deviation Reports.**
- 28.1 Except as provided in condition 35, the Permittee shall report all emissions or operations that exceed or deviate from the requirements of this permit as follows:
- a. in accordance with 18 AAC 50.240(c), as soon as possible after the event commenced or is discovered, report:
 - (i) emissions that present a potential threat to human health or safety; and
 - (ii) excess emissions that the Permittee believes to be unavoidable.
 - b. in accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or nonroutine repair that causes emissions in excess of a technology based emission standard;

- c. report all other excess emissions and permit deviations:
 - (i) within 30 days of the end of the month in which the emissions or deviation occurs, except as provided in conditions 28.1c(ii); and
 - (ii) if a continuous or recurring excess emissions is not corrected within 48 hours of discovery, within 72 hours of discovery unless the Department provides written permission to report under condition 28.1c(i).

28.2 The Permittee must report using either the Department's on-line form, or if the Permittee prefers, the form contained in Exhibit C of this permit. The Permittee must provide all information called for by the form that is used.

28.3 If requested by the Department, the Permittee shall provide a more detailed written report as requested to follow up an excess emissions report.

29. Operating Reports. During the life of this permit, the Permittee shall submit to the Department one original and one copy of an operating report by August 1 for the period January 1 to June 30 of the current year and by February 1 for the period July 1 to December 31 of the previous year.

29.1 The operating report must include all information required to be in operating reports by other conditions of this permit.

29.2 If excess emissions or permit deviations that occurred during the reporting period are not reported under condition 29.1, either:

- a. The Permittee shall identify
 - (i) the date of the deviation;
 - (ii) the equipment involved;
 - (iii) the permit condition affected;
 - (iv) a description of the excess emissions or permit deviation; and
 - (v) any corrective action or preventive measures taken and the date of such actions; or
- b. When excess emissions or permit deviations have already been reported under condition 28 the Permittee may cite the date or dates of those reports.

Section 6. Miscellaneous

30. Assessable Emissions. The Permittee shall pay to the Department an annual emission fee based on the stationary source's assessable emissions as determined by the Department under 18 AAC 50.410. The assessable emission fee rate is set out in 18 AAC 50.410(b). The Department will assess fees per ton of each air pollutant that the stationary source emits or has the potential to emit in quantities greater than 10 tons per year. The quantity for which fees will be assessed is the lesser of:

- 30.1 the stationary source's assessable potential to emit of 537 tpy; or
- 30.2 the stationary source's projected annual rate of emissions that will occur from July 1 to the following June 30, based upon actual annual emissions emitted during the most recent calendar year or another 12 month period approved in writing by the Department, when demonstrated by:
 - a. an enforceable test method described in 18 AAC 50.220;
 - b. material balance calculations;
 - c. emission factors from EPA's publication AP-42, Vol. I, adopted by reference in 18 AAC 50.035; or
 - d. other methods and calculations approved by the Department.

31. Assessable Emission Estimates. Emission fees will be assessed as follows:

- 31.1 no later than March 31 of each year, the Permittee may submit an estimate of the stationary source's assessable emissions to ADEC, Air Permits Program, ATTN: Assessable Emissions Estimate, 410 Willoughby Ave., Juneau, AK 99801-1795; the submittal must include all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates; or
- 31.2 If no estimate is received on or before March 31 of each year, emission fees for the next fiscal year will be based on the potential to emit set forth in condition 30.1.

32. Good Air Pollution Control Practice. The Permittee shall do the following for all emission units listed in Table A-1 of Exhibit A:

- 32.1 perform regular maintenance considering the manufacturer's or the operator's maintenance procedures;
- 32.2 keep records of any maintenance that would have a significant effect on emissions; the records may be kept in electronic format; and
- 32.3 keep a copy of either the manufacturer's or the operator's maintenance procedures.

- 33. Reasonable Precautions to Prevent Fugitive Dust.** The Permittee shall take reasonable precautions to prevent particulate matter from being emitted into the ambient air as follows:

33.1 Keep records of:

- a. complaints received by the Permittee and complaints received by the Department and conveyed to the Permittee; and
- b. any additional precautions that are taken:
 - (i) to address complaints described in condition 33.1 or to address the results of Department inspections that found potential problems; and
 - (ii) to prevent future dust problems.

33.2 Report according to condition 35.

- 34. Stationary Source-Specific Fugitive Dust Requirements.** In addition to the general requirements for controlling fugitive dust listed in condition 33, the Permittee shall comply with the following requirements specific to the Kensington Mine Project:

34.1 Perform a daily inspection of all unpaved roads (Emission Unit 23), temporary ore stockpiles and rock storage areas, stack tailings facility, and gravel pits for fugitive dust. If dust is present, and the road or stockpile is unfrozen, apply water or suitable dust suppression chemicals as needed on roads and stockpiles, or cover the stockpiles. Maintain a log of daily inspection and actions to keep dust down. Keep the records for five years as set out by condition 27;

34.2 For the baghouses on Emission Units 2, 5, 6, 18, 19 and 20:

- a. Monitor the pressure drop across each baghouse daily to ensure that it is within the limits recommended by the manufacturer.
- b. Inspect each baghouse prior to initial start-up, whenever the pressure drop across the baghouse is not within the limits recommended by the manufacturer, and every 180 days of operation. Replace worn or damaged bags prior to restarting the baghouse or within 72 hours of discovery, whichever occurs later.
- c. Maintain maintenance logs detailing pressure drop across baghouse, baghouse inspections and bag replacements. Keep records for five years.

34.3 Use water control techniques to control dust on Emission Units 3, 4 and 21.

- 35. Air Pollution Prohibited.** No person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property.

35.1 If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to condition 28.

- 35.2 As soon as practicable after becoming aware of a complaint that is attributable to emissions from the facility, the Permittee shall investigate the complaint to identify emissions that the Permittee believes have caused or are causing a violation of condition 35.
- 35.3 The Permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if:
- a. after an investigation because of a complaint or other reason, the Permittee believes that emissions from the facility have caused or are causing a violation of condition 35; or
 - b. the Department notifies the Permittee that it has found a violation of condition 35.
- 35.4 The Permittee shall keep records of the following:
- a. the date, time and nature of all emissions complaints received;
 - b. the name of the person or persons that complained, if known;
 - c. a summary of any investigation, including reasons the Permittee does or does not believe the emissions have caused a violation of condition 35; and
 - d. any corrective actions taken or planned for complaints attributable to emissions from the facility.
- 35.5 With each operating report under condition 29, the Permittee shall include a brief summary report which must include the following:
- a. the number of complaints received;
 - b. the number of times the Permittee or the Department found corrective action necessary;
 - c. the number of times action was taken on a complaint within 24 hours; and
 - d. the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.
- 35.6 The Permittee shall notify the Department of a complaint that is attributable to emissions from the facility within 24 hours after receiving the complaint, unless the Permittee has initiated corrective action within 24 hours of receiving the complaint.
- 36. The Permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14, 18 AAC 50, and, except for those terms or conditions designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for:**
- 36.1 an enforcement action; or

- 36.2 permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280.
37. It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.
38. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit.
39. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the Permittee for modification, revocation and reissuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
40. The permit does not convey any property rights of any sort, nor any exclusive privilege.
41. The Permittee shall allow the Department or an inspector authorized by the Department, upon presentation of credentials and at reasonable times with the consent of the owner or operator to:
- 41.1 enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;
 - 41.2 have access to and copy any records required by the permit;
 - 41.3 inspect any facility, equipment, practices, or operations regulated by or referenced in the permit; and
 - 41.4 sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.
42. **Information Requests.** The Permittee shall furnish to the Department, within a reasonable time, any information the Department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the Permittee shall furnish to the Department copies of records required to be kept by the permit. The Department may require the Permittee to furnish copies of those records directly to the federal administrator.
43. **Certification.** The Permittee shall certify all reports, compliance certifications, or other documents submitted to the Department and required under the permit by including the signature of a responsible official for the permitted facility following the statement: "Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete." Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and other documents must be certified upon submittal.

Section 7. EXHIBIT A

EMISSION UNIT INVENTORY TABLE

Table A-1 – Emission Unit Inventory^[1]

Emission Unit ID	Emission Unit No.	Source Type	Make & Model	Location/Other Description	Fuel	Max. Capacity	Installation Date	Emission Controls
1	1.4	Heater	TBD	Mine Portal	Propane	60,000 gallons/yr	TBD	N/A
2	1.5	Baghouse	TBD	Underground Mine / Cement Silo Transfer	N/A	25 tpd	TBD	Baghouse
3 ^[2]	2.3 / 2.4 / 2.5	Material Transfer	N/A	Jualin Process Site	N/A	2,000 tpd	TBD	Waterspray
4	2.6	Jaw Crusher	TBD	Jualin Process Site	N/A	2,000 tpd	TBD	Waterspray
5 ^[3]	2.7 / 2.8 / 2.9 / 2.10 / 2.11 / 2.12 / 2.13 / 2.14 / 2.15	Material Transfer	TBD	Jualin Process Site	N/A	2,000 tpd	TBD	Baghouse
6	2.10	Baghouse	TBD	Cone Crusher Jualin Process Site	N/A	2,000 tpd	TBD	Baghouse
7 ^[4]	4.1	Generator	CAT 3516B	Jualin Process Site	Distillate	1322 kW _e @ 1200 RPM	TBD	SCR (see Table A-2)
8 ^[4]		Generator	CAT 3516B	Jualin Process Site	Distillate	1322 kW _e @ 1200 RPM	TBD	SCR (see Table A-2)
9 ^[4]		Generator	CAT 3516B	Jualin Process Site	Distillate	1322 kW _e @ 1200 RPM	TBD	SCR (see Table A-2)
10 ^[4]		Generator	CAT 3516B	Jualin Process Site	Distillate	1322 kW _e @ 1200 RPM	TBD	SCR (see Table A-2)

Emission Unit ID	Emission Unit No.	Source Type	Make & Model	Location/Other Description	Fuel	Max. Capacity	Installation Date	Emission Controls
11 ^[4]		Generator	CAT 3516B	Jualin Process Site	Distillate	1322 kWe @ 1200 RPM	TBD	SCR (see Table A-2)
12 ^[4]		Generator	CAT 3516B	Jualin Process Site	Distillate	1322 kWe @ 1200 RPM	TBD	SCR (see Table A-2)
13	4.2	Generator	CAT 3406	Kensington Port Site (Comet Beach)	Distillate	275 kWe	TBD	N/A
14	4.3	Generator	TBD	Slate Cove Dock Site	Distillate	150 kWe	TBD	N/A
15	4.4	Generator	TBD	Waste Water Treatment Area	Distillate	150 kWe	TBD	N/A
16	5.1	Incinerator	TBD	Jualin Process Site	Solid Waste / Distillate	2,000 lbs/day	TBD	N/A
17	5.2	Multiple Fuel Tanks	Portable Tanks / ISOtainers	Jualin Process Site	Distillate	6,500 gallons/ISOtainer	N/A (portable)	N/A
18	5.3	Baghouse	TBD	Lime stone loading / discharge Jualin Process Site	N/A	1 tpd	TBD	Baghouse
19	5.4	Baghouse	TBD	Lab Crushers Jualin Service Site	N/A	1 tpd	TBD	Baghouse
20 ^[5]	5.6 / 5.7	Baghouse	TBD	Cement transfer Barge Slate Cove Dock / Silo / Truck	N/A	25 tpd	TBD	Baghouse
21	1.2	Explosives	TBD	Exhaust from 2050 feet Portal / Under ground	N/A	5 tpd	TBD	Waterspray
22		Material Transfer	N/A	Below Ground- All location Kensington Mine Project	N/A	N/A	N/A	N/A

Emission Unit ID	Emission Unit No.	Source Type	Make & Model	Location/Other Description	Fuel	Max. Capacity	Installation Date	Emission Controls
23		Road System	N/A	Kensington Mine Project Road ways	N/A	N/A	N/A	Water controls

Table A-1 Footnotes:

^[1] The information in this table is for identification purposes only.

TBD means “To Be Determined.”

N/A means “Not Applicable.”

The “Emission Unit ID” column provides the emission unit identification for purposes of this permit. The “Emission Unit No.” column provides the identifier provided by the Permittee in the February 25, 2005 minor permit application.

^[2] Emission Unit ID 3 is a consolidation of the following material transfer equipment controlled by water spray: Emission Unit No. 2.3 Transfer to Hopper; No. 2.4 Feed Hopper to Grizzly Feeder and No. 2.5 Grizzly Feeder to Jaw Crusher.

^[3] Emission Unit ID 5 is a consolidation of the following material transfer equipment controlled by baghouse: Emission Unit No. 2.7 Discharge Conveyor to Double Deck Screen; No. 2.8 Double Deck to Screened Product Conveyor; No. 2.9 Double Deck to Cone Crusher; No. 2.10 Cone Crusher to Discharge Conveyor; No. 2.11 Discharge Conveyor to Jaw Discharge Conveyor; No. 2.12 Screened Product Conveyor to Silo; No. 2.13 Surge Pile Conveyor to Crushed Ore Silo; No. 2.14 Crusher Ore Silo to reclaim Belt; and No. 2.15 Reclaim Belt to Ball Mill.

^[4] Emission Unit ID 7 through 12 may be replaced with similar make/model emission units using the procedures described in Condition 1.2.

^[5] Emission Unit ID 20 is a consolidation of the following material transfer equipment controlled by baghouse: Emission Unit No. 5.6 Cement Transfer from Barge to Silo and No. 5.7 Cement Transfer from Silo to truck.

Table A-2 – Emission Units with NOx SCR Control¹

Emission Unit ID	Emission Unit No.	SCR Description	Location /Other Description	Reagent	NOx Control Efficiency	Installation Date
7	4.1	SINOx SCR	Integrated in the dedicated exhaust line of the Emission Unit	Urea	90%	Simultaneous with diesel electric generator
8		SINOx SCR	Integrated in the dedicated exhaust line of the Emission Unit	Urea	90%	Simultaneous with diesel electric generator
9		SINOx SCR	Integrated in the dedicated exhaust line of the Emission Unit	Urea	90%	Simultaneous with diesel electric generator
10		SINOx SCR	Integrated in the dedicated exhaust line of the Emission Unit	Urea	90%	Simultaneous with diesel electric generator
11		SINOx SCR	Integrated in the dedicated exhaust line of the Emission Unit	Urea	90%	Simultaneous with diesel electric generator
12		SINOx SCR	Integrated in the dedicated exhaust line of the Emission Unit	Urea	90%	Simultaneous with diesel electric generator

Table A-2 Footnotes:

¹ The information in this table is for identification purposes only.

The “**Emission Unit ID**” column provides the emission unit identification for purposes of this permit. The “**Emission Unit No.**” column provides the identifier provided by the Permittee in the February 25, 2005 minor permit application.

Table A-3 - Existing Emission Units

Emission Unit No.	Make / Model	Rating / Size
DE-2	Cummins KTA 38G2331 120660	820 kW
DE-1	Cummins KTA38G2331 112977	725 kW
DE-9	CAT 3408 6706306	275 kW
DE- 7	CAT 3116 25600652	125 kW
I-1	Waste Incinerator	N/A

Section 8. EXHIBIT B

VISIBLE EMISSIONS FORMS

VISIBLE EMISSIONS FIELD DATA SHEET

Certified Observer: _____

Company &
Stationary Source: _____

Location: _____

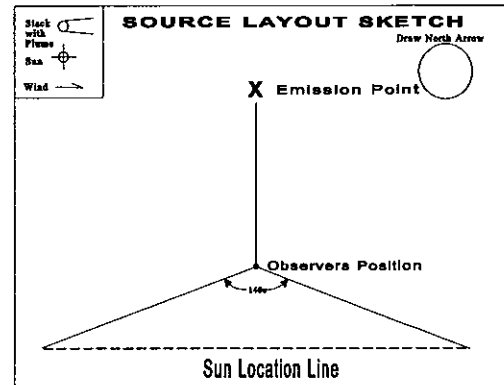
Test No.: _____ Date: _____

Unit: _____

Production Rate/Operating Rate: _____

Unit Operating Hours: _____

Hrs. of observation: _____



Clock Time	Initial				Final
Observer location					
Distance to discharge					
Direction from discharge					
Height of observer point					
Background description					
Weather conditions					
Wind Direction					
Wind speed					
Ambient Temperature					
Relative humidity					
Sky conditions: (clear, overcast, % clouds, etc.)					
Plume description:					
Color					
Distance visible					
Water droplet plume? (Attached or detached?)					
Other information					

Page ____ of ____

Test Number _____ Clock time _____

[illegible]

Observer Signature and Date

Certified By and Date

Duration of Observation Period (minutes) _____

Duration Required by Permit (minutes)_____

Number of Observations _____

Highest Six -Minute Average Opacity (%)

Number of Observations exceeding 20 %

In compliance with three-minute aggregate opacity limit? (Yes or No) _____

In compliance with six-minute opacity limit? (Yes or No) _____

Set Number	Time Start—End	Opacity	
		Sum	Average

Section 9. *EXHIBIT C*

ADEC NOTIFICATION FORM

ADEC NOTIFICATION FORM

Stationary Source Name

Air Quality Permit Number

Company Name

When did you discover the Excess Emissions/Permit Deviation?

Date: / / Time: :

When did the event/deviation?

Begin: Date: / / Time: : (please use 24hr clock)

End: Date: / / Time: : (please use 24hr clock)

What was the duration of the event/deviation: : (hrs:min) or days
(total # of hrs, min, or days, if intermittent then include only the duration of the actual emissions/deviation)

Reason for notification: (please check only 1 box and go to the corresponding section)

- ☐ Excess Emissions - Complete Section 1 and Certify
☐ Deviation from Permit Conditions - Complete Section 2 and Certify
☐ Deviation from COBC, CO, or Settlement Agreement - Complete Section 2 and Certify

Section 1: Excess Emissions

(a) Was the exceedance ☐ Intermittent or ☐ Continuous

(b) Cause of Event (Check one that applies):

- ☐ Start Up/Shut Down ☐ Natural Cause (weather/earthquake/flood)
☐ Control Equipment Failure ☐ Scheduled Maintenance/Equipment Adjustments
☐ Bad fuel/coal/gas ☐ Upset Condition ☐ Other

(c) Description

Describe briefly what happened and the cause. Include the parameters/operating conditions exceeded, limits, monitoring data and exceedance.

(d) Emission Units Involved:

Identify the emission unit involved in the event, using the same identification number and name as in the permit. Identify each emission standard potentially exceeded during the event and the exceedance.

Unit ID	Unit Name	Permit Condition Exceeded/Limit/Potential Exceedance

(e) Type of Incident (please check only one):

- ☐ Opacity % ☐ Venting (gas/scf) ☐ Control Equipment Down
☐ Fugitive Emissions ☐ Emission Limit Exceeded ☐ Record Keeping Failure

☐ Marine Vessel Opacity ☐ Failure to monitor/report
☐ Other:

☐ Flaring

(f) Unavoidable Emissions:

Do you intend to assert that these excess emissions were unavoidable?

☐ YES

☐ NO

Do you intend to assert the affirmative defense of 18 AAC 50.235?

☐ YES

☐ NO

Certify Report (go to end of form)

Section 2. Permit Deviations

(a) Permit Deviation Type (check one only box, corresponding with the section in the permit)

☐ Emission Unit Specific

☐ General Source Test/Monitoring Requirements

☐ Recordkeeping/Reporting/Compliance Certification

☐ Standard Conditions Not Included in Permit

☐ Generally Applicable Requirements

☐ Reporting/Monitoring for Diesel Engines

☐ Insignificant Emission Units

☐ Stationary Source Wide

☐ Other Section: (title of section and section number of your permit)

(b) Emission Unit Involved:

Identify the emission unit involved in the event, using the same identification number and name as in the permit. List the corresponding permit condition and the deviation.

Unit ID	Unit Name	Permit Condition /Potential Deviation

(c) Description of Potential Deviation:

Describe briefly what happened and the cause. Include the parameters/operating conditions and the potential deviation.

(d) Corrective Actions:

Describe actions taken to correct the deviation or potential deviation and to prevent future recurrence.

Certification:

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Printed Name: _____ Title: _____ Date: _____

Signature: _____ Phone Number: _____

To Submit this Report:

Fax to: 907-451-2187;

Email to: airreports@dec.state.ak.us - *if emailed, the report must be certified within the Operating Report required for the same reporting period per condition 43;*

Mail to: ADEC, Air Permits Program, 610 University Avenue, Fairbanks, AK 99709-3643;

Phone Notification: 907-451-5173 - *phone notifications require a written follow-up report within the deadline listed in condition 29; OR*

Online Submission: *(Website is not yet available) - if submitted online, the report must be certified within the Operating Report required for the same reporting period per condition 43.*

Section 10. EXHIBIT D

PERMIT DOCUMENTATION

PERMIT DOCUMENTATION

February, 2005	AQC Minor Permit Application for the Kensington Mine Project, prepared for Coeur Alaska, Inc., by RTC Consulting Group.
April 19, 2005	Email from Luke Russell (Coeur Alaska, Inc.) to Alan Schuler, additional information.
April 20, 2005	Email from Luke Russell (Coeur Alaska, Inc.) to Alan Schuler (ADEC) regarding project map.
April 28, 2005	Email from Randy MacGillivray (Coeur Alaska, Inc.) to Alan Schuler (ADEC) regarding Public Access Control Management Plan.
May 6, 2005	Email from Luke Russell (Coeur Alaska, Inc.) to Alan Schuler (ADEC) regarding Public Access Control Management Plan.
June 11, 2005	Email letter from Luke Russell (Coeur Alaska, Inc.) to Bill Walker (ADEC) Comments regarding the preliminary Air Quality Control Minor Permit No. AQ0111MSS01.
November 15, 2005	Letter from Tim Arnold (Coeur Alaska, Inc.) to Bill Walker (ADEC) requesting an administrative amendment to Permit No. AQ0111MSS01.
January 9, 2005	Email from Chris Lindsey, (Hoefler Consulting Group) to Bill Walker (ADEC), requesting a correction to an error in revision 1 of the permit.